

# **Weekly Report**

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## **Work in this week**

- 1、Read some tutorials and papers about uncertainty, especially parameter uncertainty.

As Professor Chen said, I can start my research from two aspects.

- 1) Parameter uncertainty in society data which is with no mathematical model, e.g. Microblog data and On-line trade data. We can regard the users' attributes as parameters, and the relationship between the attributes and users' behavior as a kind of uncertainty.
- 2) Parameter uncertainty in science data. This kind of data mostly has their own empirical models. There exists a similar question that the exact parameter values of the models are unknown. We call this characteristic as parameter uncertainty. In order to find the best outcome, we must explore the parameter space which is sometimes vast. So it is important to model the impacts of different parameters to simplify such process.

## **Plan for next week**

I will discuss this idea with senior Haidong and try to find an exact executable work.